Gp/1754 #5 BT

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Atty Dkt No. 1950-0001
PATENT

9-23-02

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:
Eric M. FERREIRA et al.

Serial No.: 10/091,372 Group Art Unit: 1754

Filing Date: March 4, 2002 Examiner: Unassigned

Title: METHODS AND COMPOSITIONS FOR ENNTIOSELECTIVE OXIDATION REACTIONS

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TRANSMITTAL LETTER

Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith for filing is:

☒ Supplemental Information Disclosure Statement and Certification under 37 CFR § 1.97(e).

☒ Return Postcard.

The Commissioner is hereby authorized to charge any fees under 37 CFR §§ 1.16, 1.17 and 1.21 which may be required by this paper, or to credit any overpayment, to Deposit Account No. 18-0580. A duplicate copy of this sheet is enclosed.

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Respectfully submitted,

By: Shelley P. Eberle

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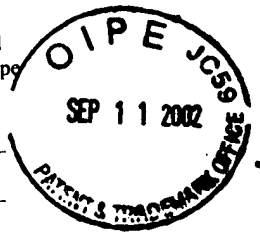

Atty Dkt No. 1950-0001
CIT No. CIT-3413
PATENT

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT AND CERTIFICATION UNDER 37 CFR § 1.97(e)

Commissioner for Patents
Washington, DC 20231

Sir:

This is a Supplemental Information Disclosure Statement submitted for the Examiner's consideration. Applicants respectfully request that the Examiner review and make of record the references identified below.

The references listed below were cited in an International (PCT) Search Report dated August 27, 2002, for the PCT application corresponding to the above-identified U.S. patent application. A copy of the Search Report, including an indication of the purported relevance of the cited references, is enclosed. Copies of the references are also submitted herewith.

A PTO-1449 form listing the references accompanies this paper. Applicants would appreciate the Examiner's initialing and returning the form to indicate that the references have been reviewed and made of record. The references are as follows:

NONPATENT DOCUMENTS
Ferreira et al. (2001), "The Palladium-Catalyzed Oxidative Kinetic Resolution of Secondary Alcohols with Molecular Oxygen," *J. Am. Chem. Soc.* 123(31):7725-7726.
Ferreira et al. (2001), "Palladium-Catalyzed Oxidative Kinetic Resolution of Secondary Alcohols," *Chemtracts-Organic Chemistry*, pp. 654-658.
Hosokawa et al. (1981), "Palladium(II)-Catalyzed Asymmetric Oxidative Cyclization of 2-Allylphenols in the Presence of Copper(II) Acetate and Molecular Oxygen. Study of the Catalysis of the Wacker-Type Oxidation," *J. Am. Chem. Soc.* 103(9):2318-2323.
Kashiwagi et al. (1996), "Enantioselective Electrocatalytic Oxidation of Racemic Alcohols on a TEMPO-Modified Graphite Felt Electrode by Use of Chiral Base (TEMPO = 2,2,6,6-tetramethylpiperidin-1-yloxyl)," *Chem. Commun.*, pp.2745-2746.

NONPATENT DOCUMENTS
Kashiwagi et al. (1996), "Enantioselective Electrocatalytic Oxidation of Racemic Alcohols on a TEMPO-Modified Graphite Felt Electrode by Use of Chiral Base (TEMPO = 2,2,6,6-tetramethylpiperidin-1-yloxyl)," *Chem. Commun.*, pp.2745-2746.
Masutani et al. (2000), "Catalytic Asymmetric and Chemoselective Aerobic Oxidation: Kinetic Resolution of *Sec*-Alcohols," *Tetrahedron Letters* 41:5119-5123.
Togni et al. (1990), "74. Synthesis, Structure, and 2 D-NMR Studies of Novel Chiral (η^3-Allyl)palladium(II) Complexes Containing the Bidentate Ligand Sparteine," *Helvetica Chimica Acta* 73:723-732.
Trost et al. (1973), "New Synthetic Reactions. Asymmetric Induction in Allylic Alkylations," *J. Am. Chem. Soc.* 95(24):8200-8201.
Uozumi et al. (1997), "Catalytic Asymmetric Wacker-Type Cyclization," *J. Am. Chem. Soc.* 119(21):5063-5064.
Uozumi et al. (1999), "Design and Preparation of 3,3'-Disubstituted 2,2'-Bis(oxazolyl)-1,1'-binaphthyls (boxax): New Chiral Bis(oxazoline) Ligands for Catalytic Asymmetric Wacker-Type Cyclization," *J. Org. Chem.* 64(5):1620-1625.

This Supplemental Information Disclosure Statement is not intended as a representation that additional information material to the examination of this application does not exist or that any of the above references constitutes prior art to the present application within the meaning of 35 USC § 102.

As this Supplemental Information Disclosure Statement is being filed within three months of the date of the International Search Report (i.e, August 27, 2002), no fee is required at this time. If, for any reason, a fee is found to be necessary, our Deposit Account No. 18-0580 may be charged therefor.

The undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement (37 CFR § 1.97(e)(1)).

Respectfully submitted,

By: Shelley P. Eberle

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1

Complete if Known	
Application Number	10/091,372
Filing Date	March 4, 2002
First Named Inventor	Eric M. FERREIRA et al.
Art Unit	1754
Examiner Name	Unassigned
Attorney Docket Number	1950-0001

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OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	AQ	Ferreira et al. (2001), "The Palladium-Catalyzed Oxidative Kinetic Resolution of Secondary Alcohols with Molecular Oxygen," *J. Am. Chem. Soc.* 123(31):7725-7726.	
	AR	Ferreira et al. (2001), "Palladium-Catalyzed Oxidative Kinetic Resolution of Secondary Alcohols," *Chemtracts-Organic Chemistry*, pp. 654-658.	
	AS	Hosokawa et al. (1981), "Palladium(II)-Catalyzed Asymmetric Oxidative Cyclization of 2-Allylphenols in the Presence of Copper(II) Acetate and Molecular Oxygen. Study of the Catalysis of the Wacker-Type Oxidation," *J. Am. Chem. Soc.* 103(9):2318-2323.	
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	AU	Masutani et al. (2000), "Catalytic Asymmetric and Chemoselective Aerobic Oxidation: Kinetic Resolution of *Sec*-Alcohols," *Tetrahedron Letters* 41:5119-5123.	
	AV	Togni et al. (1990), "74. Synthesis, Structure, and 2 D-NMR Studies of Novel Chiral (η^3-Allyl)palladium(II) Complexes Containing the Bidentate Ligand Sparteine," *Helvetica Chimica Acta* 73:723-732.	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.